

## HR SERIES Real-Time 4-8-16 Channel H.264 DVR's with DVD-R/W



QUICK. SIMPLE. EASY.

The New HR Series is the latest ARM line of DVR's offering H.264 recording technology. H.264 compression technology is less demanding on bandwidth than MPEG-4 DVR's and provides smooth network video transmission. The 1U rack-mountable chassis design is small on size but big on features. A new graphical user interface is simple and easy to use and optimizes set-up of the unit. In addition to VGA and BNC outputs, all models include HDMI video outputs for outstanding live images. Other features include built-in motion detection, PTZ control and audio recording. You can even view live video, search and playback recorded video and remotely monitor the unit via internet on your PC while simultaneously recording at the DVR. The HR Series is feature-packed with:

- Up to 480FPS High Quality Recording
- Up to 4.0TB Internal Storage (16 Ch. models)
- HDMI, VGA & BNC Video Outputs
- H.264 Compression
- Pentaplex Operation
- DVD-R/W & USB Archive
- Motion Detection

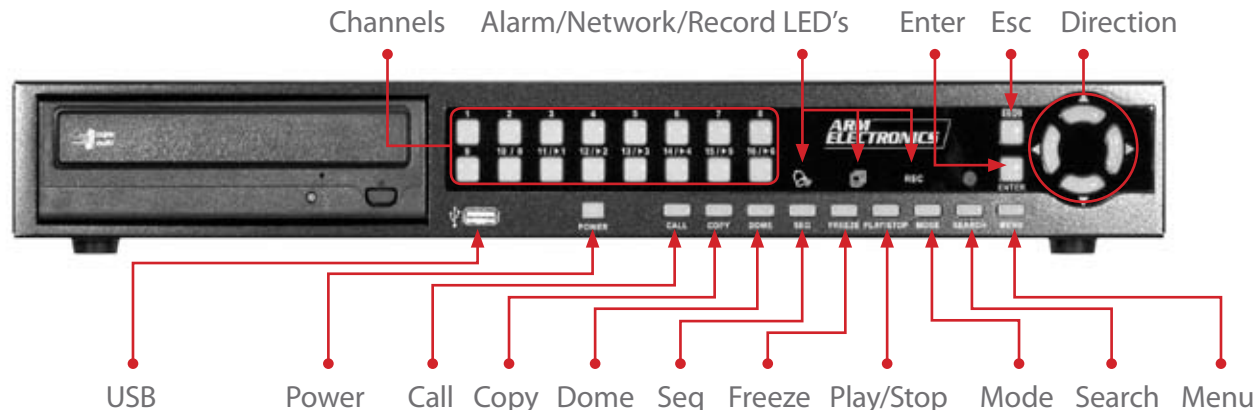
**Quick to Set-Up,  
Simple to Use,  
Easy on Your Budget.**



*Monitor shown is ARM LCD1720HG  
with HR Remote Software.  
Monitor not included.*



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### HIGH PERFORMANCE

#### Up to 480 FPS Recording

Record up to 480 FPS @ CIF simultaneously across 16 channels for high quality video playback.

#### Up to 4.0TB Storage

Compatible with large disk drives for long-term storage capabilities. (16 Channel models)

#### HDMI Video Output

Get the highest quality live images using the newly added HDMI output.

#### H.264 Compression

H.264 recording is less demanding on bandwidth and uses less disk space than MPEG-4 DVR's.

#### Motion Detection

Maximize your storage by only recording video when motion is detected.

### CONVENIENCE

#### Easy Archiving

Quickly offload archived video via USB 2.0 or DVD-R/W.

#### Backup Player

When creating DVD or USB backups, both video and player software are included allowing files to be re-played on any PC.

#### Built-in PTZ Control

Effortlessly control PTZ cameras without the need for external controllers.

#### Multiple Recording Modes

Set your DVR to record by motion, schedule, alarm or even remotely.

#### IR Remote Control

Control all DVR functions using the included IR remote control.

#### Mouse Control

Included USB mouse for easy operation.

### TOTAL SECURITY

#### Advanced Protection

Multiple passwords support various levels of user access.

#### Image Authentication

Recorded video contains watermarks and cannot be altered.

#### Linux-Based OS

Embedded operating system is virtually immune to common PC based viruses.

#### Alarming

Integrated alarming inputs for external devices including door-locks, sirens, PIR detectors, etc.

#### Mobile View

View video anywhere, anytime, from your mobile phone. (Supports iPhone, Android & Blackberry)

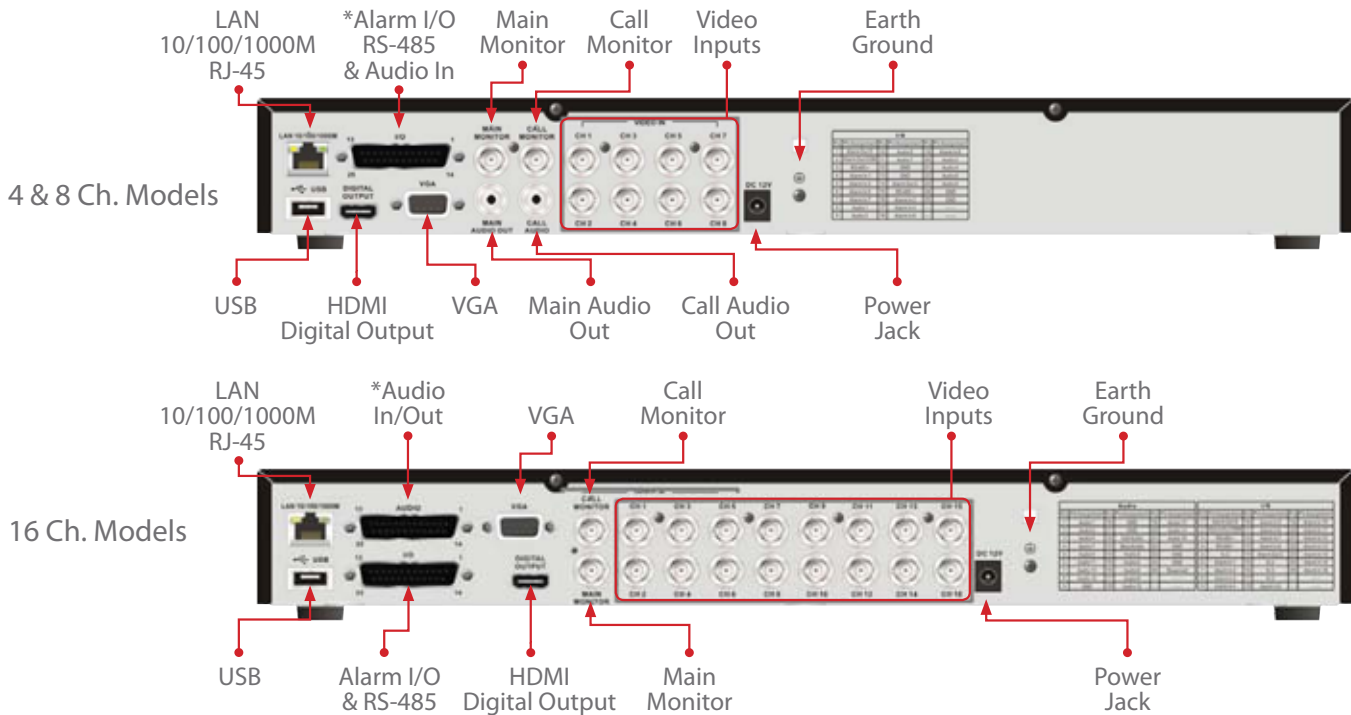
# HR SERIES Real-Time 4-8-16 Channel H.264 DVR's with DVD-R/W



HARD DRIVE OPTIONS | REAR PANEL DEFINITIONS | ACCESSORIES

HD Size	4 Channel 120FPS	8 Channel 240FPS	16 Channel 480FPS
250GB	HR4D250	HR8D250	HR16D250
500GB	HR4D500	HR8D500	HR16D500
1.0TB	HR4D1T	HR8D1T	HR16D1T
1.5TB	HR4D15T	HR8D15T	HR16D15T
2.0TB	HR4D2T	HR8D2T	HR16D2T
4.0TB	N/A	N/A	HR16D4T

## REAR PANEL DEFINITIONS



\* Audio Cable Assembly includes RCA connectors for all audio channels.

## INCLUDED ACCESSORIES

All Units Include:

- (1) Power Cord
- (1) Power Supply
- (1) User Manual
- (1) Quick Start Manual
- (1) IR Remote Control
- (1) Blank DVD+R/W Disc
- (2) D-sub Connectors
- (1) Alarm (1) Audio
- (2) Rack Mount Ears



## RECOMMENDED ACCESSORIES



**VC4P**  
Push Terminal  
Mini Balun  
W/4" BNC Cord



**CSP1**  
5AMP Max Current  
Coaxial Surge  
Protector



**LCD1720HG**  
17" LCD Monitor  
Also Available  
in 15" and 19"



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## TECHNICAL SPECIFICATIONS

	SPECIFICATIONS	HR4 4-Channel	HR8 8-Channel	HR16 16-Channel
VIDEO	Operation System	Embedded (Linux)		
	Video Standard	NTSC/PAL Auto Switching		
	Video Operation	Pentaplex Live, Record, Playback, Remote and Internet Access		
	Resolution-Live Video	720 x 480		
	Video Input	BNC x 4, 1.0Vp-p / 75ohm	BNC x 8, 1.0Vp-p / 75ohm	BNC x 16, 1.0Vp-p / 75ohm
	Outputs: Main Monitor	HDMI, VGA or BNC		
	Call Monitor	BNC x 1, 1.0Vp-p / 75ohm		
	HDMI Output	1080P Upscaled		
	VGA Output	1024 x 768, 1280 x 1024 Pixels		
	Picture Refresh Rate	120FPS	240FPS	480FPS
	Display Mode	1, 4	1, 4, 9	1, 4, 9, 16
	Digital Zoom	Live View 2x		
AUDIO	Camera Installation	Plug & Play		
	Input	RCA x 4 Line-in	RCA x 8 Line-in	RCA x 16 Line-in
	Output	RCA x 2 (1 x Main / 1 x Call) via Cable Assembly		
	Recording Mode	Real Time Recording Synchronized w/Video		
	Compression Method	Proprietary		
	Data Rate	8Kb/s per CH		
	Operation	Remote		
RECORDING	Playback	Only for Video at Original Speed		
	Compression Method	H.264		
	Recording Mode	Schedule, Alarm, Motion Detection, Continuous		
	Recording Resolution/Rate	120FPS @ 360x240 (CIF)	240FPS @ 360x240 (CIF)	480FPS @ 360x240 (CIF)
		60FPS @ 720x240 (Half D1)	120FPS @ 720x240 (Half D1)	240FPS @ 720x240 (Half D1)
		30FPS @ 720x480 (D1)	60FPS @ 720x480 (D1)	120FPS @ 720x480 (D1)
	Recording Quality	8 Preset Levels, Adjustable		
PLAYBACK	Image Size	1K to 20K Byte/Picture		
	Storage Mode	Linear / Circular		
	Playback	Pause, Stop, Rewind, Forward, Search		
	Playback Speed Adjustment	1x, 2x, 4x, 8x, 16x, 32x		
STORAGE	Search	Date/Time, Event		
	Data Life Time Select	Yes. 1-365 Days		
	Built-in HDD	SATA x 1		SATA x 2
ALARM	Built-in File Copy	DVD+RW		
	Export	USB 2.0 Port x2 (Support ThumbDrive) , DVD+RW		
	Alarm Input	D-Sub x 4	D-Sub x 8	D-Sub x 16
COMMUNICATION	Alarm Relay Output	D-Sub x 1		
	Alarm Detection	N.C./N.O., Programmable		
	Motion Detection	16 x 12 Grid Array, Sensitivity, Trigger Level Adjustable		
	Video Loss Detection	Programmable		
GENERAL	Network Connectivity	Ethernet RJ-45 connector, 10/100/1000Mbps, supports DHCP		
	Remote Control Software -- (CMS)	Included on Disk with Accessories		
	Mobile View Support	iPhone, Android & Blackberry		
	Remote Access	Up to 7 Users / 8 Authority Levels		
	Remote Operation	Monitor, Playback, Recording, System Setup, Archive		
	RS-485	D-Sub		
	IR Remote	Included		
	Dome Control Protocol	Pelco P, Pelco D, AD422, Fastrax 2, Panasonic, DSCP, JVC		
GENERAL	Unit Dimension(WxHxD)	17.3" x 2.3" x 15"		
	Unit Weight	10.8lbs		
	Package Dimensions	21.5" x 6.5" x 18"		
	Package Weight	15.2lbs		
	Operation Temperature	23° ~ 104°F		
	Relative Humidity	10% ~ 90% Non-Condensing		
	Power Consumption & Input	AC 100 ~ 240V, 50-60Hz, 60W Adaptor		